

## Live From Space Station Outreach Payload, Phase I

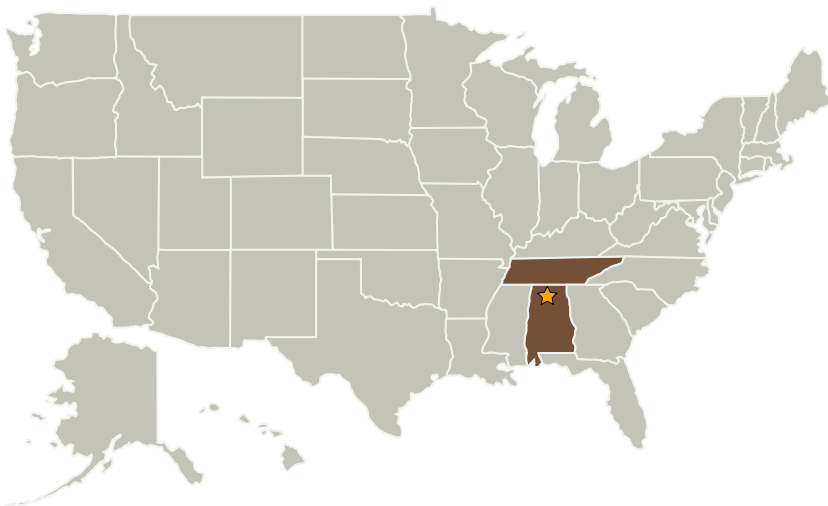
Completed Technology Project (2004 - 2004)



## Project Introduction

The Live from Space Station? Outreach Payload (LFSSOP) is a technologically challenging, exciting opportunity for university students to conduct significant research in the biological or physical sciences culminating in a university student built payload that is launched and placed on the International Space Station. Experiment features will be accessed and controlled by high school students via a Live From Space Station? (LFSS) Internet computer interface. A national competition for university students will be implemented to award the payload contract. A separate national competition designed for elementary students will be initiated to help the university awardee name their payload. Museums and science centers will be the LFSSOP curriculum dissemination and training sites, as well as public outreach sites intended to intrigue and excite individuals of all ages. Exhibit kiosks running LFSS systems data, audio, video and student payload-related computer interfaces will stimulate public interest in the space sciences and the uniqueness of on-orbit research. Further, the excitement of working on a scientific problem, devising a payload to collect data, and analyzing results to prove a theory that will contribute to the body of knowledge in the biological or physical sciences will motivate and inspire students to study math and science.

## Primary U.S. Work Locations and Key Partners



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## Organizational Responsibility

### Responsible Mission Directorate:

Space Technology Mission  
Directorate (STMD)

### Lead Center / Facility:

Marshall Space Flight Center  
(MSFC)

### Responsible Program:

Small Business Innovation  
Research/Small Business Tech  
Transfer

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Organizations Performing Work	Role	Type	Location
★ Marshall Space Flight Center (MSFC)	Lead Organization	NASA Center	Huntsville, Alabama
M.D. Perry & Associates	Supporting Organization	Industry	Knoxville, Tennessee

Primary U.S. Work Locations	
Alabama	Tennessee

## Project Management

### Program Director:

Jason L Kessler

### Program Manager:

Carlos Torrez

### Principal Investigator:

Darlene H Perry

## Technology Areas

### Primary:

- TX06 Human Health, Life Support, and Habitation Systems
  - └ TX06.3 Human Health and Performance
    - └ TX06.3.3 Behavioral Health and Performance